

U.S. Serial No. 09/666,928 Filed September 21, 2000 Docket No. 10188 Page 2 of 20

> a bottom tie layer comprising polypropylene, said bottom tie layer being positioned adjacent to said second surface of the core layer; and

> a bottom skin layer comprising an ethylene-propylene-butylene terpolymer, further comprises SiO₂, silicone oil antiblock, and crosslinked silicone slip agent; said bottom skin layer being positioned adjacent to said bottom\tie layer; and

> wherein the film does not exhibit creep in a Hayssen Vertical Fill, Form and Seal (VFFS) hot tack test at 280-310°F.

(New) The film according to claim 13, wherein: 14.

> the top skin layer comprises from about 0.1% to about 0.5% SiO2, and i) from about 0.1% to about 0.5% of a second antiblock agent; (anended) not in organite the top tie layer comprises up to 10% TiOn and (new raw)

the top tie layer comprises up to 10% TiO2; and (new raye) ii)

the core layer\comprises from about 7% to about 9% polybutylene iii) terephthalate.

(New) The film according to claim 14, wherein:

- the top skin layer comprises from about 0.15% to about 0.3% SiO₂ in the i) form of coated silica and from about 0.15% to about 0.25% methyl acrylate;
- the core layer comprises about 8% polybutylene terephthalate; and ii)
- the bottom skin layer comprises an ethylene-propylene-butylene ii) terpolymer and further comprises from about 0.6% to about 2.4% silicone oil antiblock, and from about 0.15% to about 0.3% crosslinked silicone slip agent.
- 16. (New) The film according to claim 13, wherein the total thickness of the film is about 1mil and
 - the top skin layer comprises about 2.5% of the total film thickness; i)
 - the top tie layer comprises about 15% of the total film thickness; ii)

le ler



U.S. Serial No. 09/666,928 Filed September 21, 2000 Docket No. 10188 Page 3 of 20

iii) the core layer comprises about 63% of the total film thickness;

the bottom tie layer comprises about 15% of the total film thickness; and

v) \ the bottom skin layer comprises about 4% of the total film thickness.

17. (New) A heat-sealable multilayer white opaque plastic film, comprising:

i) a cavitated core layer comprising polypropylene homopolymer of high stereo-regularity; a cavitating agent comprising polybutylene terephthalate, said core layer having a first and a second surface;

ii) a top he layer comprising polypropylene and TiO2, said top tie layer being positioned adjacent to said first surface of the core layer;

iii) a top skin layer comprising an ethylene-propylene-butylene terpolymer, SiO₂, and methyl acrylate antiblock agent, said top skin layer being positioned adjacent to said top tie layer;

iv) a bottom tie layer comprising polypropylene, said bottom tie layer being positioned adjacent to said second surface of the core layer; and

v) a bottom skin layer comprising an ethylene-propylene-butylene terpolymer and further comprises silicone oil antiblock, and crosslinked silicone slip agent; said bottom skin layer being positioned adjacent to said bottom tie layer; and

wherein the film does not exhibit creep in a Hayssen Vertical Fill, Form and Seal (VFFS) hot tack test at 280-310°F.

18. (New) The film according to claim 17, wherein:

- i) the top skin layer comprises from about 0.1% to about 0.5% SiO₂, and from about 0.1% to about 0.5% of a second antiblock agent;
- ii) the top tie layer comprises up to 10% TiO₂; and
- iii) the core layer comprises from about 7% to about 9% polybutylene terephthalate.
- 19. (New) The film according to claim 18, wherein:





U.S. Serial No. 09/666,928 Filed September 21, 2000 Docket No. 10188 Page 4 of 20

i) the top skin layer comprises ethylene-propylene-butylene-terpolymer and further-comprises from about 0.15% to about 0.3% SiO2 in the form of coated silica, and from about 0.15% to about 0.25% methyl acrylate antiblock agent;

- the core layer comprises from about 7% to about 9% polybutylene terephthalate, from about 500ppm to about 700ppm phosphite antioxidant, and from about 200ppm to about 400ppm fluoropolymer anti-condensing agent; and
- the bottom skin layer comprises ethylene-propylene-butylene terpolymer and further comprises from about 0.6% to about 2.4% silicone oil antiblock, and from about 0.15% to about 0.3% crosslinked silicone slip agent.
- 20. (New) The film according to claim 17, wherein the total thickness of the film is about 1mil and
 - i) the top skin layer comprises about 2.5% of the total film thickness;
 - ii) the top tie layer comprises about 15% of the total film thickness;
 - iii) the core layer comprises about 63% of the total film thickness;
 - iv) the bottom tie layer comprises about 15% of the total film thickness; and
 - v) the bottom skin layer comprises about 4% of the total film thickness.

